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Amendment and/or Response
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REMARKS/DISCUSSION OF ISSUES

By this Amendment, Applicant: cancels claims 1-6, 9, and 12-16; amends claims 7, 8, 10, 11 and 17; and adds new claims 18-29. Accordingly, claims 7-8, 10-11, and 17-29 remain pending in the application.

Reexamination and reconsideration of this application are respectfully requested in view of the following Remarks.

Applicant respectfully submits that each of the pending claims is patentable over the previously cited prior art for at least the following reasons.

Claim 10

Among other things, the display apparatus of claim 10 includes means for converting a display signal to a modulating voltage and for applying the modulating voltage to the electrodes to modulate the intensity of the light emitted by the photoluminescent material – the very same light, as recited in claim 10, that is emitted by the photoluminescent material when excited by a light source.

Martel does not include any such means. In Martel, a light source 24 operates with an image-forming mask 18 to impress an image on phosphorescent layer 16, this image then varying the impedance of phosphorescent layer 16 to thereby change a voltage applied to electroluminescent layer by a voltage-divider relationship. Martel does not apply a modulating voltage – converted from a display signal - to electrodes to vary the intensity of the light emitted by either phosphorescent layer 16, electroluminescent layer 14, or any “combination layer” 14/16.

Accordingly, Applicant respectfully submits that the apparatus of claim 10 is clearly patentable over Martel.

Claims 7-8, 11 and 17

Claims 7-8, 11 and 17 all depend from claim 10 and are deemed patentable for at least the reasons set forth above with respect to claim 10.

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New Claims 18-22

New claims 18-22 also depend from claim 10 and are deemed patentable for at least the reasons set forth above with respect to claim 10, and for the following additional reasons.

Claim 18

In the display apparatus of claim 18, the electrodes are arranged in a matrix, where the first electrodes of the pixels are arranged in rows and the second electrodes of the pixels are arranged in columns.

No such arrangement is disclosed – or even possible – in Martel.

Claim 19

In the display apparatus of claim 19, each pixel further includes a transistor for addressing the corresponding pixel, and a hold capacitor.

No such arrangement is disclosed – or even possible – in Martel.

Claim 22

In the display apparatus of claim 22, the photoluminescent material is adapted to decrease the intensity of light which it emits in response to an increase in the modulating voltage applied across the photoluminescent material by the electrodes.

No such arrangement is disclosed by Martel.

New Claim 23

Among other things, the display apparatus of claim 23 includes means for converting a display signal to a modulating voltage and for applying the modulating voltage to the electrodes to modulate the intensity of the light emitted by the fluorescent material – the very same light, as recited in claim 23, that is emitted by the fluorescent material when excited by a light source.

As explained above with respect to claim 1, Martel includes no such means.

Also among other things, in the display apparatus of claim 23, the

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electrodes are arranged in a matrix, where the first electrodes of the pixels are arranged in rows and the second electrodes of the pixels are arranged in columns.

No such arrangement is disclosed – or even possible – in Martel.

New Claims 24-29

New claims 24-29 depend from claim 23 and are deemed patentable for at least the reasons set forth above with respect to claim 23, and for the following additional reasons.

Claim 24

In the display apparatus of claim 29, each pixel further includes a transistor for addressing the corresponding pixel, and a hold capacitor.

No such arrangement is disclosed – or even possible – in Martel.

Claim 29

In the display apparatus of claim 29, the fluorescent material is adapted to decrease the intensity of light which it emits in response to an increase in the modulating voltage applied across the fluorescent material by the electrodes.

No such arrangement is disclosed by Martel.

CONCLUSION

In view of the foregoing explanations, Applicant respectfully requests that the Examiner reconsider and reexamine the present application, allow claims 7-8, 10-11, and 17-29 and pass the application to issue. In the event that there are any outstanding matters remaining in the present application, the Examiner is invited to contact Kenneth D. Springer (Reg. No. 39,843) at (571) 283.0720 to discuss these matters.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment (except for the issue fee) to Deposit Account No. 50-0238 for any additional fees required under 37 C.F.R. §

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1.16 or under 37 C.F.R. § 1.17, particularly extension of time fees.

Respectfully submitted,

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